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INDOOR THERMOSTAT FOR RADIO INTERFACING WITH TELEPHONE LINE

(57) Abstract:

PURPOSE: The indoor thermostat for radio interfacing with a telephone line is provided to adjust temperature through a set program and to carry out an interactive remote control function by telephone by connecting a telephone line and an indoor thermostatic circuit by wireless.

CONSTITUTION: The first interface unit is provided with a serial input/output part to convert the parallel input/output signals of a communication unit into serial signals and to input and output the signals. The first transceiver, connected to the serial input/output part of the first interface unit, receives and restores a monitoring signal transmitted from a room control unit via the second transceiver and transfers the signal to the first interface unit. The first transceiver converts the signal output from the first interface unit into a radio signal suitable for air media and transmits it to the second transceiver. The second interface unit comprises a serial input/output part to convert a parallel signal transmitted from the room control unit into a serial signal. The second interface unit transfers control signals supplied through the serial input/output part to a microcomputer and outputs the monitoring signal of the microcomputer to the serial input/output part. The second transceiver, connected to the serial input/output part of the second

interface unit, receives and restores the control signals transmitted from the communication unit via the first transceiver and transfers the signals to the second interface unit. The second transceiver converts the monitoring signal output from the second interface unit into a radio signal suitable for air media and transmits it to the first transceiver.